

Converting Colors

$Y_{xy}(42.1836, 0.2077, 0.2677)$

Have a look what the booklet for
Yxy(42.1836, 0.2077, 0.2677)
contains.

Yxy(42.2214, 0.2077, 0.2676)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(42.2214, 0.2077, 0.2676)

Conversions

Conversions Part 1

Format	Color
Hex	01BDE8
RGB	1, 189, 232
RGB Percent	0%, 74%, 91%
CMY	0.9979, 0.2589, 0.0901
CMYK	1.00, 0.19, 0.00, 0.09
HSL	191°, 100%, 46%
HSV	191°, 100%, 91%
XYZ	32.7705, 42.2214, 82.7861
YIQ	137.6900, -125.8510, -26.4830

Conversions

Conversions Part 2

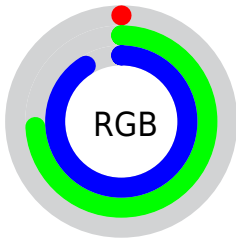
Format	Color
RYB	1, 105, 232
Decimal	114152
CIELab	71.02, -24.50, -32.50
CIELCh	71, 40.699, 232.996
Yxy	42.2214, 0.2077, 0.2676
Android (android.graphics.Color)	4278304232 (0xFF01BDE8)
YUV	137.6900, 46.4948, -119.8771
Hunter-Lab	64.9780, -23.6882, -30.0547

Details

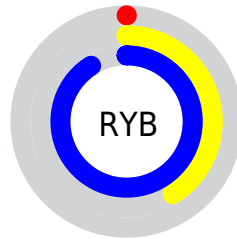
The Yxy color **42.2214, 0.2077, 0.2676** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed azure. A complement of this color would be **18.9310, 0.6217, 0.3444**, and the grayscale version is **25.0906, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.7760, 0.2385, 0.3170**, and **20.4625, 0.2034, 0.2523** is the 20% darker color. If you saturate the color by 10%, you get **42.1768, 0.2076, 0.2674**, and if you desaturate by 10%, it is **44.2938, 0.2110, 0.2743**.

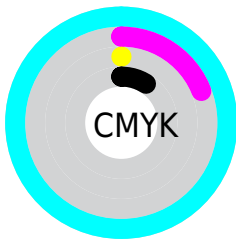
Distribution



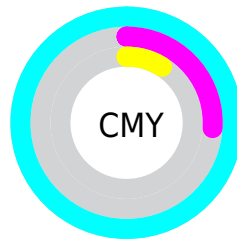
- Red (0%)
- Green (74%)
- Blue (91%)



- Red (0%)
- Yellow (41%)
- Blue (91%)



- Cyan (100%)
- Magenta (19%)
- Yellow (0%)
- Black (9%)





- Cyan (100%)
- Magenta (26%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.2214, 0.2077, 0.2676 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 42.2214, 0.2077, 0.2676 by changing the saturation by 10% instead.


 42.2214, 0.2077,
0.2676


 42.2214, 0.2077,
0.2676


355.3999, 0.2583,
0.2997

 29.2747, 0.1959,
0.2594


 78.5346, 0.2255,
0.2795


 19.2887, 0.1813,
0.2488


 102.6699, 0.2324,
0.2839

 11.8791, 0.1629,
0.2348


 131.3035, 0.2382,
0.2876

 6.6614, 0.1392,
0.2156

 164.8198, 0.2433,
0.2907

 3.2513, 0.1084,
0.1880

 203.6032, 0.2478,
0.2934

 1.2643, 0.0656,
0.1477

248.0380, 0.2517,

 0.1133, 0.0000,

0.2958

0.0340

298.5088, 0.2552,
0.2979

■ 0.0000, 0.0000,
0.0000

■ 42.2214, 0.2077,
0.2676

■ 42.2214, 0.2077,
0.2676

■ 42.1768, 0.2076,
0.2674

■ 44.2938, 0.2110,
0.2743

■ 46.6448, 0.2160,
0.2810

■ 49.3444, 0.2229,
0.2878

■ 52.4340, 0.2317,
0.2946

■ 55.9482, 0.2424,
0.3012

■ 59.9176, 0.2546,
0.3075

■ 64.3696, 0.2681,
0.3135

■ 69.3291, 0.2826,
0.3192

■ 74.8195, 0.2977,
0.3244

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



42.2214, 0.2189, 0.3158



42.2214, 0.2077, 0.2676



42.2214, 0.2206, 0.2416

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



42.2214, 0.2077, 0.2676



42.2214, 0.3699, 0.2863



42.2214, 0.3638, 0.4358

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



42.2214, 0.2077, 0.2676



18.9310, 0.6217, 0.3444

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



42.2214, 0.4096, 0.4143



42.2214, 0.2077, 0.2676



42.2214, 0.4156, 0.3287

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



42.2214, 0.2077, 0.2676



42.2214, 0.3100, 0.2542



42.2214, 0.4300, 0.3742



42.2214, 0.3066, 0.4234

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



42.2214, 0.2077, 0.2676



42.2214, 0.2420, 0.2368



42.2214, 0.4300, 0.3742



42.2214, 0.3811, 0.4318

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



42.2229, 0.2077, 0.2676



79.5237, 0.2676, 0.3133



57.9065, 0.2956, 0.5842



16.5071, 0.2617, 0.3108



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



42.2229, 0.2077, 0.2676



52.1342, 0.2075, 0.2671



10.7074, 0.1616, 0.1017



15.8568, 0.2981, 0.3245



23.5820, 0.2079, 0.2685



1.8610, 0.2107, 0.2783

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



20.8458, 0.3751, 0.1841



25.7941, 0.3756, 0.1843



41.8620, 0.4897, 0.4492



14.5668, 0.3166, 0.3101



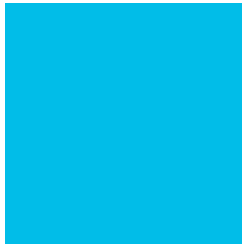
11.5783, 0.3742, 0.1835



0.8675, 0.3650, 0.1784

Previews

White Background



This preview shows how the Yxy color 42.2214, 0.2077, 0.2676 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 42.2214, 0.2077, 0.2676 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

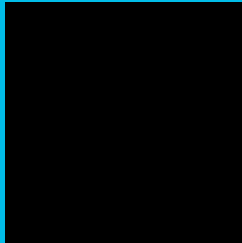
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.2214, 0.2077, 0.2676

Background



This preview shows how black text looks on a background with the Yxy color 42.2214, 0.2077, 0.2676.



This preview shows how white text looks on a background with the Yxy color 42.2214, 0.2077, 0.2676.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

42.2278, 0.2077, 0.2677

Protanopia

41.8174, 0.2683, 0.2668

Deuteranopia

41.5779, 0.2518, 0.2455



Tritanopia

42.2043, 0.2184, 0.3060

Trichromacy



Original Color

42.2278, 0.2077, 0.2677



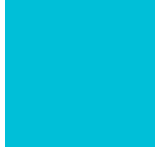
Protanomaly

40.1062, 0.2308, 0.2647



Deuteranomaly

40.0391, 0.2231, 0.2499



Tritanomaly

42.2195, 0.2144, 0.2917

Monochromacy



Original Color

42.2278, 0.2077, 0.2677



Achromatopsia

25.4152, 0.3127, 0.3290



Achromatomaly

29.1672, 0.2448, 0.3035

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.2214, 0.2077, 0.2676 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(1, 189, 232)` looks like.

```
.text, #text, p{  
    color:rgb(1, 189, 232)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(1, 189, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 189, 232) }
```

Border

The CSS property to change the border of an element to Yxy 42.2214, 0.2077, 0.2676 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(1, 189, 232) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(1, 189, 232) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(1, 189, 232) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 189, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 189, 232);  
box-shadow:4px 4px 4px 4px rgb(1, 189,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 42.2214, 0.2077, 0.2676 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 189, 232) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(1, 189,  
232) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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